

AI-Assisted Semen Analysis Report

Method: Computer-Assisted Sperm Analysis (CASA)

Analysis Type: Motility & Morphology (Video-Based)

1. Semen Analysis Summary

Total sperm tracks analyzed: 250

Progressive motility: 0 (0.0%)

Non-progressive motility: 0 (0.0%)

Immotile sperm: 250 (100.0%)

Normal morphology: 0 (0.0%)

Abnormal morphology: 250 (100.0%)

2. CASA Velocity Parameters (Mean Values)

Curvilinear Velocity (VCL): 398.19 px/s

Straight Line Velocity (VSL): 135.47 px/s

Average Path Velocity (VAP): 266.83 px/s

3. Fertility Assessment

Computed Fertility Score: 0.0 / 100

Clinical Interpretation: Low fertility potential

4. Clinical Impression

Based on the analyzed motility patterns, morphology characteristics, and CASA velocity parameters, the semen sample shows no motility and 100% abnormal morphology, which is consistent with the low fertility potential assessment.

Disclaimer: This AI-assisted report is for academic and research purposes only and does not replace a certified clinical diagnosis.